Madison Deep Field Project
Fact Sheet
August 14, 2026

The Team

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The Data

Exposures: 20,997 x 20 seconds
Integration hours: 116.65
Gigabytes of data: 120 Gigabytes

The Photos

We have several photos: the stacked S 50 frame, the stacked S 30 Pro frame, both in the same frame, an annotated image showing the entire Abell 2199 cluster, and others.

The Objects

According to the NASA/IPAC Extragalactic Database, there are approximately 2,274 galaxies (of magnitude 20.0 and brighter) inside the space captured in the S 30 Pro frame. Using PixInsight, we identified 662 of these in the S 50 frame.

Things Learned; Remaining Puzzles

1. NGC 6166 is not as "small" as it seems. It is among the largest 5% of the 7,840 NGC objects.

2. Combining S 50 and S 30 Pro images – an early worry – proved to be fairly easy.

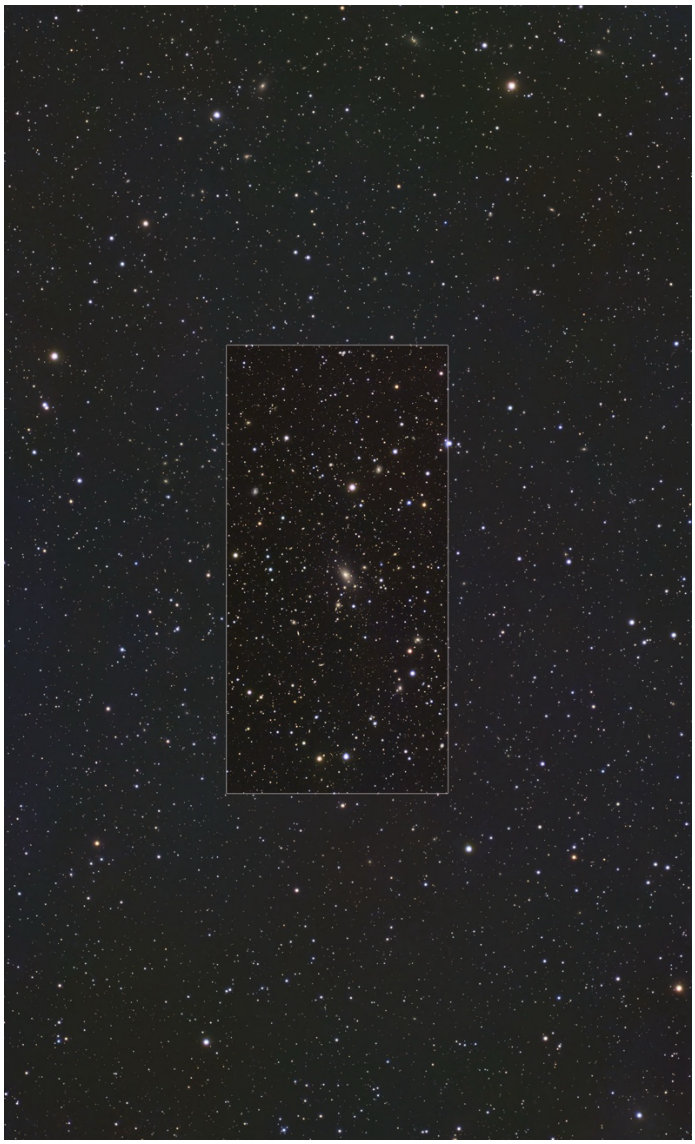
3. The "deep field" and distance.

4. The "deep field" and magnitude.

5. What is that smudge? A star? A galaxy?

6. How many exposures? 20,000 versus fewer.

7. Is there interest in doing another Seestar collaborative project? This was a "deep field" experiment. A second might focus on a nebula.



Photos are available on the MAS website: https://www.madisonastro.org/first-mas-seestar-collaboration/

Interested in the PixInsight master files? Email a request to jfitzmier@gmail.com to get a download link.